

Remote SAM Initiative (RSI) – Proposed Work Plan

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Goals For This Work

- ❑ Regular data transfers between remote sites and FNAL to exercise the system.
- ❑ Monitor these transfers to understand system performance.
- ❑ Bring up additional stations at other remote institutions.

Current Remote Stations

Indiana	Wuppertal	Nikhef
Cinvestav	in2p3	Karlsruhe
LA Tech	OU	UTA
Munich	Imperial	AZ
U. Mich	Mainz	Lancaster
Nevis	Princeton	Prague
MSU	CSU-Fresno	Nijmegen
Tata		

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Current Remote Stations (cont.)

- ❑ Some sites have more than one station installed.
- ❑ Probably not all of these stations are active – see Lee's slides from OU workshop:
www-hep.uta.edu/~d0race/meetings/jul-10-2002/lee-071002.pdf
- ❑ Some sites are MC farms, hence expect large data transfers.
- ❑ Is this list complete??

Testing Proposal

- ❑ A simple script that pulls one or more files from FNAL to the remote site. Will need to tune:
 - size of the file(s)
 - frequency
- ❑ Write results to a log file – perhaps eventually publish (www) some version of this data?

"Inactive" SAM Stations

- ❑ Earlier slide counted 22 remote stations, but not all are active – why? Some possibilities:
 - setup, functioning, but little used
 - setup, but problems getting station functional
 - incomplete install
 - any others??
- ❑ Previously sent around survey to remote sites – 3 responses.
- ❑ Collect updated status reports, and work toward solutions for sites with problems.

IEPM Testing

- ❑ Test stations setup at SLAC, FNAL (dmzmono), and Manchester.
- ❑ Once UTA node (heppc32.uta.edu) is added to the mix, will expand to all remote SAM stations.
- ❑ Question of whether to install software at UTA, or monitor from FNAL.
- ❑ I'll know more once things are setup here.

Schedule / Milestones

- ❑ 8/31/02: regular data transfer test running at all currently functional remote stations.
- ❑ 10/31/02: Sites which have installed stations but are experiencing problems are debugged and added to data transfer tests.
- ❑ 01/31/03: Any DØ institution desiring to run SAM at their site is setup to do so. (This is actually an ongoing effort.)

8/31/02 Milestone

□ What has to be done:

- Distribute script to remote sites
- Setup to run automatically (cron, etc.)
- If a site has a working SAM station should execute without additional configuration
- Decide on the size and frequency of data pulls – modify as necessary

10/31/02 Milestone

- Contact each site to determine status, then:
 - For those sites whose SAM station works but they have not been using it, setup data pull test
 - Sites with problems will be addressed and solutions provided (MS tries initially – consult SAM experts as necessary)
 - Experience gained from first few sites should speed up the remaining ones (common problems, etc.)